

## BIOLOGY RESEARCH CONFERENCE

Oak Ridge, Tennessee

Sponsored by the Biology Division of the Oak Ridge National Laboratory  
and Supported by the Atomic Energy Commission

April 20 and 21, 1953

## PROGRAM

Effects of Radiation and Other Deleterious Agents on Embryonic DevelopmentMonday, April 20, 9:30 A.M.

Chairman - Viktor Hamburger, Washington University

James G. Wilson, University of Cincinnati College of Medicine  
"Differentiation and the Reaction of Rat Embryos to Radiation"

Roberts Rugh, Columbia University, Department of Radiology  
"Effects of Radiation on Amphibians"

James N. Dent & Ernest L. Hunt, Miller School of Biology, University of  
Virginia, and Emory University  
"Tracer Techniques in Embryological Research"

Monday, April 20, 2:00 P.M.

Chairman - Sewall Wright, University of Chicago

- ✓ Liane Brauch Russell, Biology Division, Oak Ridge National Laboratory  
"The Demonstration, by Means of Prenatal Irradiation, of Critical Periods  
in the Development of a Variety of Characters in the Mouse"
- ✓ Samuel P. Hicks, New England Deaconess Hospital, Boston  
"Comparison of Effects of Radiation, Certain Hormones and Radiomimetic  
Drugs on the Developing Nervous System"

Evening Session, 7:30 P.M.

Chairman - Shields Warren, New England Deaconess Hospital

( Discussion on Human Implications and Results of Investigations by the Atomic  
Bomb Casualty Commission )

Biology Research Conference

Tuesday, April 21, 9:00 A.M.

Chairman - Paul Weiss, University of Chicago

Dietrich Bodenstein, Chemical Corps Medical Laboratories, Maryland  
"Effects of Radiomimetic Substances on Embryonic Development, with  
Special Reference to Nitrogen Mustard"

Josef Warkany, Children's Hospital, Research Foundation, Cincinnati  
"Disturbance of Embryonic Development by Maternal Vitamin Deficiencies"

Tuesday, April 21, 2:00 P.M.

Chairman - L. C. Dunn, Columbia University

Clarke Fraser, McGill University, Department of Genetics  
"Effects of Cortisone and Other Hormones on Embryonic Development"

Walter Landauer, University of Connecticut, Department of Genetics  
"Some Problems of Chemical Teratogenesis and Their Bearing on  
Physiological Genetics"

Summarizing Discussion.

Wednesday, April 22, 9:00 A.M.

Open House, Biology Division Laboratory